Schedule J. Conditions Applying to General and Aquatics Effects Monitoring

Table 1 MONITORING GROUPS

Group	Analytical Parameters	Measurement Units	~~Colour Reference~~	TMAC Rationale for the Change
General (**G**)	pH	pH units	~~Red~~	Reason for removing colours is that it is not needed, is redundant. Is the same as the Group column
	TSS	mg/L		
Nutrients (**N1**)	Total Ammonia-N	mg-N/L	~~Blue~~	
	Nitrate-N			
	Nitrite-N			
Nutrients (**N2**)	Orthophosphate-P	mg/L	~~Orange~~	
	Total Phosphate-P			
Total Metals - Unfiltered (**MT**)	T-Aluminum	mg/L	~~Green~~	
	T-Arsenic			
	T-Copper			
	T-Iron			
	T-Nickel			
	T-Lead			
	T-Zinc			
Dissolved Metals - Filtered (**MD**)	D-Iron	mg/L	~~Purple~~	
	D-Copper			
	D-Arsenic			
	D-Zinc			
	D-Cadmium			
	D-Nickel			
Biological (**B**)	Biological Oxygen Demand	mg/L	~~Yellow~~	
	Fecal Coliforms	CFU or MPN/100 mL ~~(colony forming units)~~		Revised to allow flexibility in use of equivalent alternate Lab methods.
Hydrocarbons (**HC**)	Total Oil and Grease	mg/L	~~Dk. Green~~	
	T-Lead			
	Benzene			
	Toluene			
	Ethyl-Benzene			
Discharge (**D**)	Flow	m^3/day	~~Grey~~	
	Volume	m^3		
	Duration	Day		

***** (definition: metals consistent with baseline data previously collected and any other metals of current interest)

GROUP REFERENCE

STATION / PARAMETER	TL-1		TL-2	~~TL-3~~	~~TL-4~~	~~TL-5~~	TL-6	TL-7	TL-8	~~TL-9~~	~~TL-10~~	TL-11	~~TL-12~~	~~ST-1~~	~~ST-2~~	ST-3	ST-4	ST-5	ST-6	ST-7	ST-7a	ST-8	ST-9	ST-10	ST-11	ST-12	TMAC Rationale for the Change
pH	x		x	*	*	*			x	*	*	x	*	*	*	x	x	x	x	x	x	x	x		x		TMAC: Rationale for station changes/removal is provided later on in the document
Electrical Conductivity												x															
TSS	x		x	*	*	*			x		*		*	*	*	x	x	x	x	x	x	x	x	x	x		
TDS	x		x	*	*						*																
Cl	x		x	*	*						*				*												
Free CN	x		x	*	*	*			x		*									x	*						Added ST-11 was omitted in previous
Total CN	x		x	*	*	*			x	*	*	x		*	*	x				x	*				x		
WAD CN						*		x		*		x															
Total Ammonia-N	x		x	*	*	*			x		*	x	*	*	*	x	x			x	x				x		
Nitrate-N	x		x	*	*	*			x		*	x	*	*	*					x	x				x		
Nitrite-N	x		x	*	*	*			x		*	x	*	*	*					x	x				x		
Sulphate						*						x	*	*	*	x									x		
Orthophosphate-P	x		x	*	*				x		*									x	x						
Total Phosphate-P	x		x	*	*				x		*									x	x						
T-Al	x		x	*	*	*	x		x		*			*	*	x				x	x				x		
T-Ag	x		x	*	*				x		*									x	x						
T-As	x		x	*	*	*	x		x		*			*	*	x				x	x				x		
T-Ca	x		x	*	*						*									x	x						
T-Cd	x		x	*	*	*	x		x		*									x	x						
T-Cr	x		x	*	*	*	x		x		*									x	x						
T-Cu	x		x	*	*	*	x		x		*			*	*	x				x	x				x		
T-Fe	x		x	*	*	*	x		x		*			*	*	x				x	x				x		
T-Hg	x		x	*	*	*	x		x		*									x	x						
T-K	x		x	*	*						*																
T-Mo	x		x	*	*	*	x		x		*									x	x						
T-Mg	x		x	*	*						*																
T-Na	x		x	*	*						*																
T-Ni	x		x	*	*	*	x		x		*			*	*	x				x	x				x		
T-Pb	x		x	*	*	*	x		x		*			*	*	x	x	x	x	x	x				x		
T-Se	x		x	*	*	*	x		x		*									x	x						
T-Zn	x		x	*	*	*	x		x		*			*	*	x				x	x				x		
T-Tl	x		x	*	*				x		*									x	x						
T-Radium 226	x				*																						
Dissolved Oxygen																											
Acute Lethality	x				*																						
Flow	x		x	*	*	*			x				*	*	*	x	x	x	x	x	x	x	x		x		
Volume	x		x	*	*	*			x				*	*	*	x	x	x	x	x	x	x	x		x		
Water Level	x																									x	
Ice thickness																										x	
Total Metals by ICP-MS*						*																					

Total Metals ICP-MS including Sulphur							x																			
Trace Metals by ICP-MS																										
Alkalinity												x			*											
Acidity												x														
Dissolved Fe										*																
D-Cu										*																
D-As										*																
D-Zn										*																
D-Cd										*																
D-Ni										*																
BOD5	x				*															x	x	x	x			
Fecal Coliforms	x				*															x	x	x	x			
Cyanate						*		x																		
Thiocyanate						*		x																		
Moisture content								x																		
Total Oil and																										
Benzene																x	x	x								
Toluene																x	x	x								
Ethyl-Benzene																x	x	x								
Tonnage							x	x																		
Chemical Oxygen Demand																										
Total Inorganic Carbon							x																			

* (definition: metals consistent with baseline data previously collected and any other metals of current interest)

Table 2: MONITORING REQUIREMENTS

Station	Description	Phase	Monitoring Parameters	~~Frequency during Care and Maintenance prior to any deposit of Tailings to the TIA~~	Frequency ~~(during Operations and any time after initial deposit of Tailings to the TIA)~~	TMAC Rationale for Removal
TL-1	TIA discharge ~~at the Reclaim Pump Barge - depth 1.5m below surface~~	Operation, Care and Maintenance, Closure, Post Closure (for up to nine (9) years after cessation of mining.	**G, N1, N2, MT** and TDS, Cl, ~~Free CN, Total CN,~~ T-Ag, T-Ca, T-Cd, T-Cr,T-Hg, T-K, T-Mo, T-Mg, T-Na, T-Se, T-Tl, Total Oil and Grease	~~Three times per week for one (1) week prior to discharge and two times per week for two (2) weeks after discharge commences, then reducing to once per week during remainder of annual discharge period~~	Annually ~~Every second day for two (2) weeks prior to discharge and for two (2) weeks after discharge commences, then reducing to once per week during remainder of annual discharge period~~	Suggest removal of column "Frequency during Care and Maintenance prior to any deposit of Tailings to the TIA as it will no longer be used following the deposition of tailings Location will be at the reclaim pipeline. Cyanide destruct tailings will be placed underground Added in response to Party comments. NWB was to follow-up with us on this. No follow-up received. Frequency altered to reflect ocean discharge during Ops and Closure and that the water in the TIA is a major input of process water to the milling process.
			Dissolved Oxygen and Redox Potential	~~Every second month~~	Annually ~~Every second month~~	
			Acute Lethality	~~Once prior to discharge~~	Annually during post-closure only ~~Once prior to discharge~~	Revised to reflect discharge to freshwater occurring only during Post- Closure
			~~**D**~~	~~Daily during periods of discharge~~	~~Daily during periods of discharge~~	Removing this to reflect the change to ocean discharge Will be measured as part of MMER and reported through that process.
TL-2	Doris Outflow Creek - upstream (at the flow monitoring station adjacent to the bridge)	~~Operation,~~ Closure, Post Closure (for up to nine (9) years after cessation of mining).	**G, N1, N2, MT** and TDS, Cl, Free CN, Total CN, T-Ag, T-Ca, T-Cd, T-Cr, T-Hg, T-K, T-Mo, T-Mg, T- Na, T-Se, T-Tl,	~~One duplicate sample collected prior to discharge; single samples collected twice per week for two(2) weeks after discharge commences, then reducing to once per week during the remainder of annual discharge period~~	~~Every second day for two (2) weeks prior to discharge and for two (2) weeks after discharge commences, then reducing to once per week during remainder of annual discharge period~~ Annually for 2 years prior to Post-Closure, and during Post-Closure	Removed monitoring during Operations to reflect ocean discharge. Removal of sampling during Operations and closure. Addition of annual sampling in years prior to Post-Closure to reflect party comments and during Post-Closure to reflect freshwater discharge post breaching of North dam.
			~~**D**~~	~~Daily during periods of discharge from Tail Lake~~	~~Daily during periods of discharge from Tail Lake~~	Remove. Discharge from TIA will no longer be based on Doris Creek discharge.
~~TL-3~~	~~Doris Outflow Creek (~80m downstream of the base of the waterfall)~~	~~Operation, Closure, Post Closure (for up to nine (9) years after cessation of mining)~~	~~**G, N1, N2, MT** and TDS, Cl, Free CN, Total CN, T-Ag, T-Ca, T-Cd, T-Cr, T-Hg, T-K, T-Mo, T-Mg, T- Na, T-Se, T-Tl, Total Oil and Grease~~	~~One duplicate sample collected prior to discharge; single samples collected twice per week for two(2) weeks after discharge commences, then reducing to once per week during the remainder of annual discharge period~~	~~Every second day for two (2) weeks prior to discharge and for two (2) weeks after discharge commences, then reducing to once per week during remainder of annual discharge period~~	Remove TL-3 altogether. Replaced, where appropriate, with sampling from TL-2, with adoption of TL-3 compliance criteria at the TL-2 location.
			~~**D**~~	~~Daily during periods of discharge from Tail Lake~~	~~Daily during periods of discharge from Tail Lake~~	

~~TL-4~~	~~TIA Discharge End-of-Pipe (taken at a valve at the discharge end of the transfer pump pipeline)~~	~~Operation, Closure, Post Closure (for up to nine (9) years after cessation of mining)~~	~~**G, N1, N2, MT,** and TDS, Cl, Free CN, Total CN, T-Ag, T-Ca, T-Cd, T-Cr, T-Hg, T-K, T-Mo, T-Mg, T-Na, T-Se, T-Tl, T-Radium 226~~	~~Weekly during periods of discharge~~	~~Weekly during periods of discharge~~	Remove TL-4 altogether. Is redundant given TL-1 sampling.
			~~Acute Lethality~~	~~Once approximately midway through annual discharge~~	~~Monthly during discharge~~	
			~~**B**~~	~~Monthly~~	~~Monthly~~	
			~~**D**~~	~~Daily during periods of discharge from Tail Lake~~	~~Daily during periods of discharge from Tail Lake~~	
~~TL-5~~	~~Combined Tailings Discharged into TIA (Water Component) taken from a valve in the mill at the discharge end of the mill tailings pumps~~	~~Operations~~	~~**G, N1, MT,** and Free CN, Total CN, WAD CN, Sulphate, T-Cd, T-Cr, T-Hg, T-Mo, T-Se, and Total Metals by ICP-MS~~	-	~~Daily initially, reduced to weekly after 3 months of operation~~	Remove this station as Monitoring and reporting is captured within the Water Management Plan.
			~~Cyanate and Thiocyanate~~	-	~~Quarterly~~	
			~~**D**~~	-	~~Daily initially, reduced to weekly after 3 months of operation~~	
TL-6	~~Combined~~ Tailings Discharged into TIA (Solid Component) taken from a valve in the mill at the discharge end of the mill tailings pumps	Operations	Tonnage of dry tailings solids	-	Monthly during periods of discharge	Only flotation tailings will go into the TIA
			MT and T-Cd, T-Cr, T-Hg, T-Mo, T-Se~~,~~	-	Sampled on a weekly basis with analyses carried out monthly on a composite sample of the TL-6 weekly samples	
			Total Inorganic Carbon and Total Metals by ICP-MS (must include Sulphur)	-		
TL-7	~~Filtered Cyanide Leach Residue~~ Detoxified Tailings sent underground as backfill	Operations	Dry tonnage of ~~CN leach residue~~ detoxified tailings sent underground, WAD CN, Total Inorganic Carbon, Total Metals by ICP- MS (including Sulphur), Moisture content of backfill trucked underground,	-	Monthly	Clarified for consistent terminology with other site document
			Cyanate and Thiocyanate	-	Quarterly	

~~TL-8~~	~~Reclaim water pumped from TIA to Mill Process water tank taken from a valve at the discharge end of the reclaim water pump~~	~~Operation~~	~~**G, N1, N2, MT** and Free CN, Total CN, T-Ag, T-Cd, T-Cr, T-Hg, T-Mo, T- Se, T-Tl,~~	-	~~Monthly~~	Redundant with TL-1
			~~**D**~~	-	~~Daily during periods of pumping~~	
~~TL-9~~	~~Barren Bleed Solution sent to tailings taken from a sampling valve within the mill~~	~~Operations~~	~~**MD** and pH, Total and WAD CN, Chemical Oxygen Demand,~~	-	~~Monthly~~	Remove this station as Monitoring and reporting is captured within the Water Management Plan.
~~TL-10~~	~~Water Column in deepest portion of Tail Lake and at a location away from the TIA Reclaim water floating pump house, sampled at surface, mid-depth and near bottom.~~	~~Operation, Closure, Post Closure (for up to nine (9) years after cessation of mining)~~	~~**G, N1, N2, MT** and TDS, Cl, Free CN, Total CN, T- Ag, T-Ca, T-Cd, T-Cr, T-Hg, T-K, T-Mo, T-Mg, T-Na, T-Se, T-Tl, Dissolved Oxygen and Redox Potential~~	-	~~Monthly during discharge starting two (2) weeks prior to start of discharge season~~	Removed entirely to reflect ocean discharge
~~TL-11~~	~~Seepage from underground backfilled stopes~~	~~Operations~~	~~Visual inspection for seepage. If seepage present parameters to be monitored include **N1** and pH, EC, Trace metals by ICP-MS, Alkalinity, Acidity, Sulphate, Total and WAD CN,~~	-	~~Survey Twice annually~~	Remove this station as Monitoring and reporting is captured within the Groundwater Management Plan.
~~TL-12~~	~~Underground Minewater – water pumped from the underground mine into the Mill tailings pump box~~	~~Operations,~~	~~**G, N1** and Sulphate and Total Metals by ICP-MS,~~	-	~~Monthly~~	Remove this station as Monitoring and reporting is captured within the Water Management Plan.
			~~**D**~~	-	~~Monthly during pumping~~	

~~ST-1~~	~~Discharge from Sedimentation Pond taken at a depth of ~0.25 m~~	~~Construction, Operation, Closure~~	~~**G, N1, MT** and Total Sulphate, Total CN, Total Oil and Grease,~~	-	~~Once before any discharge, daily when discharging onto the tundra~~	Remove this station as Monitoring and reporting is captured within the Water Management Plan.
			~~**D**~~	-	~~Daily during periods of discharge~~	
~~ST-2~~	~~Discharge from Pollution Control Pond taken at a depth of ~0.25m~~	~~Construction, Operation, Closure~~	~~**G, N1, MT** and Total Sulphate, Total CN, Total Oil and Grease, Alkalinity, Chloride, and Total Metals by ICP-MS~~	~~Monthly during open water season~~	~~Monthly during open water season~~	Remove this station as Monitoring and reporting is captured within the Water Management Plan.
			~~**D**~~	~~Daily during periods of discharge~~	~~Daily during periods of discharge~~	
ST-3	Discharge from Non-hazardous Landfill pollution control sump	Construction, Operation, Closure, Care and Maintenance	**G, MT** and Total Ammonia-N, Total Sulphate, Total CN, Total Oil and Grease,	~~Once before any discharge, daily when discharging onto the tundra~~	Annually, o~~O~~nce before any discharge, ~~daily when discharging onto the tundra~~	Added Care and Maintenance Sampling reduced to a single sample prior to discharge based on discussion with parties
			D	~~Daily during periods of discharge~~	Daily during periods of discharge	
ST-4	Discharge from Landfarm sump	Construction, Operation, Closure, Care and Maintenance	**G, HC**	~~Once before any discharge, daily when discharging onto the tundra~~	Annually, o~~O~~nce before any discharge, ~~daily when discharging onto the tundra~~	Added Care and Maintenance Sampling reduced to a single sample prior to discharge based on discussion with parties
			D	~~Daily during periods of discharge~~	Daily during periods of discharge	
ST-5	Discharge from the Plant Site Fuel Storage and Containment Area Sump	Construction, Operation, Closure, Care and Maintenance	**G, HC**	~~Once before any discharge, daily when discharging onto the tundra~~	Annually, o~~O~~nce before any discharge, ~~daily when discharging onto the tundra~~	Added Care and Maintenance Sampling reduced to a single sample prior to discharge based on discussion with parties
			D	~~Daily during periods of discharge~~	Daily during periods of discharge	
ST-6a And ST-6b	Discharge from the Roberts Bay Fuel Storage and Containment Area Sumps	Construction, Operation, Closure, Care and Maintenance	**G, HC**	~~Once before any discharge, daily when discharging onto the tundra~~	Annually, o~~O~~nce before any discharge, ~~daily when discharging onto the tundra~~	Added Care and Maintenance Sampling reduced to a single sample prior to discharge based on discussion with parties INAC R35
			D	~~Daily during periods of discharge~~	Daily during periods of discharge	

ST-7	Freshwater pumped from Doris Lake ~~taken from a valve on the discharge end of the freshwater pump~~	Construction, Operation, Closure, Care and Maintenance	**G, N1, N2, MT** and Free CN, Total CN, T-Ag, T-Cd, T-Cr, T-Hg, T-Mo, T-Se, T-Tl~~, and Total Oil and Grease~~	-	Monthly during periods of pumping	Text removal to allow flexibility in sampling location, sampling location will reflect the water uptake. Added Care and Maintenance. Removed Total Oil and Grease as per discussion with parties. Clarification that sampling would occur during periods of pumping.
			~~**B**~~	-		Biological parameters removed because sewage effluent will report to the TIA or to the Glenn/Windy watershed during tundra discharge.
			D	-	Monthly during periods of pumping	
ST-7a (new)	Freshwater pumped from the Windy Lake freshwater intake ~~(Appendix H of the Application),~~	Construction, Operation, Closure, Care and Maintenance	**G, N1, N2, MT** and ~~Free CN, Total CN,~~ T-Ag, T-Cd, T-Cr, T-Hg, T-Mo, T-Se, T-Tl, T-Ca and Total Oil and Grease	-	Monthly during periods of pumping	Text removal to allow flexibility in sampling location, sampling location will reflect the water uptake. Added Care and Maintenance. Removed cyanide as no cyanide use will occur in this watershed. Calcium added for consistency with Schedule J Group Reference table. Clarification that sampling would occur during periods of pumping.
			B	-		
			D	-	Monthly during periods of pumping	
ST-8	Discharge from Wastewater Treatment Plant ~~bio-membrane~~	Construction, Operation, Closure, Care and Maintenance	**G, B,** and Total Oil and Grease	-	Monthly when discharging to tundra; Annually, when discharging to TIA	Modified description to allow flexibility in the sampling location, water sampled will be reflective of treated effluent. Added Care and Maintenance. Clarified frequency in relation to discharge location
			Location of discharge	-	Monthly during periods of discharge	
			D	-	Monthly during periods of discharge	

ST-9	Runoff from Wastewater Treatment Plant discharge - downstream of wastewater treatment plant discharge point and just prior to flow entering ~~Doris~~ Glenn Lake	Construction, Operations, Closure, Care and Maintenance	**G, B,** and Total Oil and Grease	~~Monthly~~	Monthly when discharging to tundra	Corrected error. Added phases during which tundra discharge may occur. Clarified frequency in relation to tundra discharge.
ST-10	Site Runoff from Sediment Controls	Construction, Operations, Closure	TSS or Turbidity	~~Daily during periods of discharge~~	Daily during periods of discharge	Addition to allow flexibility in measurement parameter which allows for more expedient on-site response. Will adopt alternate proposed parameter (turbidity) following development of a site-specific TSS-turbidity relationship.
ST-11 ~~(new)~~	Discharge from the Reagent and Cyanide Storage Facility Sumps.	Construction, Operation, Closure, Care and Maintenance	G, HC, MT, Total Ammonia, Total CN, and D	~~Once before any discharge, daily when discharging onto the tundra~~	Annually, o~~O~~nce before any discharge~~, daily when discharging onto the tundra~~	Added Care and Maintenance. Additional parameters added here for consistency with water licence text.
ST-12	Doris Lake	Operation, Closure	Water Level		Monthly	New station.
			Ice Thickness		Annually in April	
Monitoring Strip #1	Shoreline (location provided in S4 DWG T-14 dated March 2007)	Construction, Operations, Closure	Erosion via bathymetric survey of the underwater section of the monitoring strip down to the original Tailings Impoundment Area water level of 28.3 m	~~Annually~~	Annually	
Monitoring Strip #2	Shoreline (location provided in S4 DWG T-14 dated March 2007)	Construction, Operations, Closure	Erosion via bathymetric survey of the underwater section of the monitoring strip down to the original Tailings Impoundment Area water level of 28.3 m	~~Annually~~	Annually	
~~Monitoring Strip #3~~	~~Shoreline (location provided in S4 DWG T-14 dated March 2007)~~	~~Construction, Operations, Closure~~	~~Erosion via bathymetric survey of the underwater section of the monitoring strip down to the original Tailings Impoundment Area water level of 28.3 m~~	~~Annually~~	~~Annually~~	Remove as this area will be covered with subaerially-deposited tailings

~~Monitoring Strip #4~~	~~Shoreline (location provided in S4 DWG T-14 dated March 2007)~~	~~Construction, Operations, Closure~~	~~Erosion via bathymetric survey of the underwater section of the monitoring strip down to the original Tailings Impoundment Area water level of 28.3 m~~	~~Annually~~	~~Annually~~	Remove as this area will be covered with subaerially-deposited tailings
Monitoring Strip #5	Shoreline (location provided in S4 DWG T-14 dated March 2007)	Construction, Operations, Closure	Erosion via bathymetric survey of the underwater section of the monitoring strip down to the original Tailings Impoundment Area water level of 28.3 m	~~Annually~~	Annually	
Monitoring Strip #6	Shoreline (location provided in S4 DWG T-14 dated March 2007)	Construction, Operations, Closure	Erosion via bathymetric survey of the underwater section of the monitoring strip down to the original Tailings Impoundment Area water level of 28.3 m	~~Annually~~	Annually	

Table 3 THERMAL MONITORING

Station	Location	Location Reference	Phase	~~Monitoring Parameters~~ [TMAC:]	Frequency Prior to Operations; During Care and Maintenance	Frequency During Operations	TMAC Rationale for Removal
~~T1~~	~~Jetty~~	~~SD4 - DWG J-01~~	~~Operation~~	~~Temperature~~		~~IA~~	**Suggest removing column titles "Monitoring Parameters" as it is redundant: it is implied that thermistors monitor temperature.** Inactive, therefore remove.
~~T2~~	~~Jetty~~	~~SD4 - DWG J-01~~	~~Operation~~	~~Temperature~~		~~IA~~	Inactive, therefore remove.
~~T4~~	~~Beach Laydown~~	~~SD4 - DWG S-01~~	~~Operation~~	~~Temperature~~		~~IA~~	Inactive, therefore remove.
~~T5~~	~~Fuel Storage and Containment Facility at Robert's Bay~~	-	~~Operation~~	~~Temperature~~		~~IA~~	Inactive, therefore remove.
~~T7~~	~~Airstrip~~	~~SD4 - DWG S-03~~	~~Operation~~	~~Temperature~~		~~IA~~	Inactive, therefore remove.
~~T8~~	~~Airstrip~~	~~SD4 - DWG S-03~~	~~Operation~~	~~Temperature~~		~~IA~~	Inactive, therefore remove.
~~T9~~	~~Airstrip~~	~~SD4 - DWG S-03~~	~~Operation~~	~~Temperature~~	~~A~~	~~A~~	Thermistor was for baseline data collection and so is no longer needed.
T-1	Bridge Abutment	SD4 - DWG S-12	Operation	~~Temperature~~	D	A	
T-2	Bridge Abutment	SD4 - DWG S-12	Operation	~~Temperature~~	D	A	
~~DOR-1~~	~~Camp~~	~~to be confirmed~~	~~Operation~~	~~Temperature~~		~~IA~~	Inactive, therefore remove.
~~DOR-2~~	~~Camp~~	~~to be confirmed~~	~~Operation~~	~~Temperature~~	~~D~~	~~A~~	This was intended as a baseline station that was alter deemed unnecessary
DOR-3	Pollution Control Pond	~~to be confirmed~~ PCP-1	Operation	~~Temperature~~	D	A	Clarification on location
~~DOR-4~~	~~Sedimentation Pond~~	~~to be confirmed~~	~~Operation~~	~~Temperature~~	~~D~~	~~A~~	Not needed as Sed Pond is fully lined.
~~DOR-5~~	~~Float Plane Dock Laydown Area~~	~~to be confirmed~~	~~Operation~~	~~Temperature~~		~~IA~~	Inactive, therefore remove.
DOR-6	Road	~~to be confirmed~~ Doris-Windy All Weather Road	Operation	Temperature	D	A	
DOR-7	Road	~~to be confirmed~~ Doris-Windy All Weather Road	Operation	Temperature	D	A	
DOR-8	Road	~~to be confirmed~~ Doris-Windy All Weather Road	Operation	Temperature	D	A	
DOR-9	Road	~~to be confirmed~~ Doris-Windy All Weather Road	Operation	Temperature	D	A	
DOR-10	Road	~~to be confirmed~~ Doris-Windy All Weather Road	Operation	Temperature	D	A	
~~SRK-53~~	~~Shoreline~~	~~to be confirmed~~	~~Operation, Closure~~	~~Temperature~~	D	~~B~~	Remove as this area will be covered with subaerially-deposited tailings
~~SRK-54~~	~~Shoreline~~	~~to be confirmed~~	~~Operation, Closure~~	~~Temperature~~		~~IA~~	Inactive, therefore remove.
SRK-55	Shoreline	~~to be confirmed~~ TIA East Shore	Operation, Closure	~~Temperature~~		~~IA~~	
SRK-56	Shoreline	~~to be confirmed~~ TIA West Shore	Operation, Closure	~~Temperature~~		IA	
SRK-57	Shoreline	~~to be confirmed~~ TIA East Shore	Operation, Closure	~~Temperature~~	D	B	
SRK-58	Shoreline	~~to be confirmed~~ TIA West Shore	Operation, Closure	~~Temperature~~	D	B	

NI~~1 – NI28~~	North Dam	SD4 - DWG T-09	Operation, Closure	~~Temperature~~	C	C	Request removal of specific string numbers here as there are redundant strings to account for string failure over time. Listing individual strings here is not necessary as reporting on strings status and active strings occurs within the Geotechnical Inspection Report.
SI~~2 – SI22~~	South Dam	SD4 - DWG T-10	Operation, Closure	~~Temperature~~	C	C	Request removal of specific string numbers here as there will be redundant strings to account for string failure over time. Listing individual strings here is not necessary as reporting on strings status and active strings occurs within the Geotechnical Inspection Report.

A – Monthly April – October, increasing if warming trend is observed

B – Monthly April – October

C - Monthly readings taken manually April – October; data loggers installed to collect continuous data at key locations. Frequency maintained until dam reaches pseudo steady state conditions. The frequency may then be reduced but will have to coincide with the peaks of the annual climatic cycles

~~D – Annually at the end of summer when the active layer should be at maximum thickness.~~

AWM – Monthly April – October during periods of active water management (Prior to Operations and during Care and Maintenance)

IA – Inactive